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IN THE CLAIMS:

The pending claims are set forth below and have been amended and/or cancelled, without prejudice, where noted:

- (Currently Amended) A method comprising:
 perforating a steel plate;
 forming a devolatilizer nozzle from said steel plate; and
 heat treating said devolatilizer nozzle;
 <u>providing a molten polymer; and</u>
 passing polymer through the devolatilizer nozzle.
- 2. The method of Claim 1 wherein said heat treating increases the yield strength of said devolatilizer nozzle.
- 3. The method of Claim 1 wherein said heat treating increases the tensile strength of said devolatilizer nozzle.
- 4. The method of Claim 1 wherein said devolatilizer nozzle has a yield strength of at least about 110 ksi.
- 5. The method of Claim 1 wherein said devolatilizer nozzle has a yield strength of at least about 200 ksi.
- 6. The method of Claim 1 wherein said devolatilizer nozzle has a yield strength of at least about 270 ksi.
- 7. The method of Claim 1 wherein said devolatilizer nozzle has a tensile strength of at least 140 ksi.
- 8. The method of Claim 1 wherein said devolatilizer nozzle has a tensile strength of at least 210 ksi.

- 9. The method of Claim 1 wherein said devolatilizer nozzle has a tensile strength of at least 290 ksi.
- 10. The method of Claim 1 wherein said perforations comprise holes of no more than about 0.01 inches in diameter.
- 11. The method of Claim 1 wherein said perforations comprise holes of no more than about 0.03 inches in diameter.
- 12. The method of Claim 1 wherein said perforations comprise holes of no more than about 0.05 inches in diameter.
- 13. The method of Claim 1 wherein the thickness of said steel plate is from about 0 to about 0.75 inches.
- 14. The method of Claim 1 wherein the thickness of said steel plate is no more than about 0.4 inches.
- 15. The method of Claim 1 wherein the thickness of said steel plate is no more than about 0.25 inches.
- 16. The method of Claim 1 wherein said devolatilizer nozzle comprises at least about 500,000 perforations.
- 17. The method of Claim 1 wherein said devolatilizer nozzle comprises at least about 1,000,000 perforations.
- 18. The method of Claim 1 wherein said devolatilizer nozzle comprises at least about 1,500,000 perforations.

- 19. The method of Claim 12 wherein said devolatilizer nozzle comprises a center-to-center hole distance of at least about 0.08 inches.
- 20. The method of Claim 12 wherein said devolatilizer nozzle comprises a center-tocenter hole distance of at least about 0.13 inches.
- 21. The method of Claim 12 wherein said devolatilizer nozzle comprises a center-tocenter hole distance of at least about 0.18 inches.
- 22. The method of Claim 1 further comprising annealing said steel plate prior to forming a devolatilizer nozzle.
- 23. The method of Claim 1 wherein said steel plate comprises 420 stainless steel.
- 24. The method of Claim 1 wherein said steel plate comprises 420F stainless steel.
- The method of Claim 1 wherein said steel plate comprises 440A stainless steel.
- 26. The method of Claim 1 wherein the capacity of said devolatilizer nozzle is from about 0 to about 75,000 pounds per hour.
- 27. The method of Claim 1 wherein the capacity of said devolatilizer nozzle is from about 20,000 to about 50,000 pounds per hour.
- 28. (Cancelled) A devolatilizer nozzle comprising a heat treated and perforated steel plate.
- 29. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle has a yield strength of at least about 110 ksi.

- 30. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle has a yield strength of at least about 200 ksi.
- 31. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle has a yield strength of at least about 270 ksi.
- 32. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle has a tensile strength of at least 140 ksi.
- 33. (Cancelled) The nozzle of Claim 28 whoroin said devolatilizer nozzle has a tensile strength of at least 210 ksi.
- 34. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle has a tensile strength of at least 290 ksi.
- 35. (Cancelled) The nozzle of Claim 28 wherein said perforations comprise holes of no more than about 0.01 inches in diameter.
- 36. (Cancelled) The nozzle of Claim 28 wherein said perforations comprise holes of no more than about 0.03 inches in diameter.
- 37. (Cancelled) The nozzle of Claim 28 wherein said perforations comprise holes of no more than about 0.05 inches in diameter.
- 38. (Cancelled) The nozzle of Claim 28 wherein the thickness of said steel plate is from about 0 to about 0.75 inches.
- 39. (Cancelled) The nozzle of Claim 28 wherein the thickness of said steel plate is no more than about 0.4 inches.

- 40. (Cancelled) The nozzle of Claim 28 wherein the thickness of said steel plate is no more than about 0.25 inches.
- 41. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle comprises at least about 500,000 perforations.
- 42. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle comprises at least about 1,000,000 perforations.
- 43. (Cancelled) The nozzle of Claim 28 wherein said devolatilizer nozzle comprises at least about 1,500,000 perforations.
- 44. (Cancelled) The nozzle of Claim 37 wherein said devolatilizer nozzle comprises a center-to-center hole distance of at least about 0.08 inches.
- 45. (Cancelled) The nozzle of Claim 37 wherein said devolatilizer nozzle comprises a center-to-center hole distance of at least about 0.13 inches.
- 46. (Cancelled) The nozzle of Claim 37 wherein said devolatilizer nozzle comprises a center-to-center hole distance of at least about 0.18 inches.
- 47. (Cancelled) The nozzle of Claim 28 wherein said steel plate comprises 420 stainless steel.
- 48. (Cancelled) The nozzle of Claim 28 wherein said steel plate comprises 420F stainless steel.
- 49. (Cancelled) The nozzle of Claim 28 wherein said steel plate comprises 440A stainless steel.

- 50. (Cancelled) The nozzle of Claim 28 wherein the capacity of said devolatilized nozzle is from about 0 to about 75,000 pounds per hour.
- 51. (Cancelled) The nozzle of Claim 28 wherein the capacity of said devolatilizer nozzle is from about 20,000 to about 50,000 pounds per hour.
- 52. (Withdrawn) A method of processing polymer resins comprising: feeding polymer into a devolatilizer nozzle; and devolatilizing said polymer as it passes through perforations in said devolatilizer nozzle;

wherein said devolatilizer nozzle comprises a heat treated and perforated steel plate.

53. (Withdrawn) The method of Claim 52 wherein the capacity of said devolatilizer nozzle is from about 0 to about 75,000 pounds per hour.